REMARKS

Claims 1 – 4, 6, 8 – 11, and 13 – 17 are presented for reconsideration and allowance in view of the foregoing amendments and following remarks.

In the outstanding Office Action, the Examiner objected to the amendment of February 14, 2007 under 35 U.S.C. 132(a) for introducing new matter, and rejected claims 7, 12, and 17 under 35 U.S.C. 112, second paragraph, as being indefinite for reciting undefined variables n1, n2, n3 and n4. The Examiner also: rejected claims 1, 3 – 6, 8 – 11, 13, and 14 under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,862,088 to Song et al. (subsequently referred to as "Song") and further in view of U.S. Patent Application Publication No. 2002/0172111 to Tsai et al. (subsequently referred to as "Tsai"); rejected claim 2 under 35 U.S.C. 103(a) as being unpatentable over Song and Tsai as applied to Claim 1, and further in view of U.S. Patent Application Publication No. 2006/0250913 to Kim (subsequently referred to as "Kim"); and, rejected claims 15 and 16 under 35 U.S.C. 103(a) as being unpatentable over Song and Tsai and further in view of U.S. Patent Application Publication No. 2003/0223335 to Chen (subsequently referred to as "Chen").

By this Response and Amendment, claim 1 has been amended to include the features of allowable claim 7 and intervening claim 5 in their entirety; these claims are accordingly cancelled without prejudice or disclaimer. Claim 10 has been amended to include the features of allowable claim 12 in their entirety; this claim is accordingly cancelled without prejudice or disclaimer. Claims 1, 10, and 17 have been further amended in view of all rejections under 35 U.S.C. 112 made by the Examiner, and are now believed to be in condition for allowance. Finally, the specification has been amended to remove the rejected language from the February 14, 2007 amendment. Applicants submit that no new matter under 35 U.S.C. 132(a) is added to the application by the above amendments.

Accordingly, reconsideration and withdrawal of all outstanding rejections are requested.

Objections to the Amendment of February 14, 2007

The previously amended paragraph of page 11 of the specification was objected to as introducing new matter. The sentence added in the previous response is therefore removed according to the request of Examiner.

Rejection of claims 7, 12, and 17 under 35 U.S.C. §112, second paragraph

Claims 7, 12 and 17 were rejected as being indefinite for reciting variables $n1$, $n2$, $n3$, and $n4$. In response, Applicants replace these terms with "a first predetermined number of," "a second predetermined number of," "a third predetermined number of," and "a fourth predetermined number of" respectively.

The present amendment is supported by the originally filed disclosure, particularly the second paragraph of page 11 of the originally filed specification, and thus there is no new matter. Specifically, a person skilled in the pertinent art knows that the "$n1$" in the second line refers to the number of RF patterns, and the number $n1$ is predetermined. As in the conventional manner, the number of RF patterns should be an integer. Similarly, a person skilled in the pertinent art knows that the "$n2$" (line 6), the "$n3$" (line 10), and the "$n4$" (line 12) respectively refer to predetermined number of RF patterns. Furthermore, after reading the paragraph of page 11, a person skilled in the pertinent art knows that there is no particular sequence among the variables $n1$, $n2$, $n3$, and $n4$.

Applicants believe that the present amendment regarding the variables $n1$, $n2$, $n3$, and $n4$ has made Claims 7, 12 and 17 definite to a person skilled in the art. However, if the Examiner disagrees with such belief and has preferred language, the Examiner is kindly asked to advise Applicants' representatives.

Rejections of Claims 1-6, 8-11 and 13-16 under 35 U.S.C. §103(a) and Allowable Subject Matter

Claims 1-6, 8-11 and 13-16 were rejected under 35 U.S.C. 103(a) as being unpatentable over Song, in view of Tsai, Kim, and Chen. Applicants thank the Examiner for indicating that Claims 7, 12 and 17 would be allowable if rewritten in independent form, and to overcome all rejections under 35 U.S.C. 112, second paragraph.

Response

Applicants have amended independent claim 1 to include the features of allowable claim 7 and its intervening claim 5, in a manner which further overcomes the rejections thereto under 35 U.S.C. 112, second paragraph. This is believed to place claim 1, and claims 2 – 4, 6, 8, and 9 dependent therefrom, in condition for allowance.

Further, Applicants have amended independent claim 10 to include the features of allowable claim 12, in a manner which further overcomes the rejections thereto under 35 U.S.C. 112, second paragraph. This is believed to place claims 10, and claims 11 and 13 – 16 dependent therefrom, in condition for allowance.

Applicants have amended claim 17 to overcome the rejections thereto under 35 U.S.C. 112, second paragraph. This is believed to place claim 17 in condition for allowance.

These amendments are made to expedite the prosecution of this application to allowance. Applicants reserve the right to pursue the original scope of claims 1, 5, 10, and 17 in one or more continuing applications.
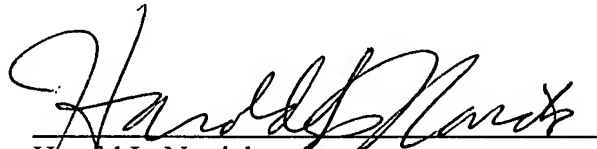
CONCLUSION

In light of the foregoing, Applicants submit that the application is now in condition for allowance. If the Examiner believes the application is not in condition for allowance, Applicants respectfully request that the Examiner contact the undersigned attorney if it is believed that such contact will expedite the prosecution of the application.

In the event this paper is not timely filed, Applicants petition for an appropriate extension of time. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 14-0112.

Respectfully submitted,
THE NATH LAW GROUP

Date: _____7/12____, 2007

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